

REMARKS

Applicant's Statement of Substance of Interview

Applicants wish to express appreciation to Examiner Michael Nghiem for the courtesy of a personal interview which was granted to Applicants' representative Michael Faibisch (Reg. No. 48,427) at the USPTO on November 16, 2005. The Examiner's statement of the substance of the interview is set forth in the Interview Summary, numbered Paper No. 20051117. During the interview, Claims 5 and 29 were discussed vis-à-vis the Katzir reference (6,275,514). In the interview, the Examiner pointed out that claim 37 of the Katzir reference discloses a data rate that is substantially higher than the higher pulse repetition rate. Applicants' representative pointed out that although the Katzir reference ('514) teaches using a polygon mirror as a scanner, it fails to teach scanning a line continuously since the scanned beam is pulsed. Applicants' Representative further pointed out that that nothing in the Katzir reference ('514) anticipates exposing different spatially overlapping regions. However, the Examiner requested the Applicants to point out how the device described in the application exposes different spatially overlapping regions.

General Remarks

Receipt of the Official Action mailed on August 22, 2005 is acknowledged with appreciation. The present amendment is intended to be fully responsive to all points of rejection raised by the Examiner, and is believed to place the application in condition for allowance.

Claims 5 – 8, 10 – 25, 29 – 54, 61, 66, 67, and 69 - 71 are pending in the application. No claims are currently amended. The allowance of claims 61, 67, 69 and 70 is acknowledged with appreciation.

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The indication of claims 49 – 54 as including allowable subject matter is also acknowledged with appreciation. Applicants respectfully direct the Examiner's attention to amendments made to claim 49 in the response to the Office Action mailed on March 4, 2005. The response was submitted to the USPTO on June 6, 2005. In view of the apparent absence of further detailed rejection of or objection to claims 49 – 54, in combination with the Examiner's statement of reasons for allowance of claim 49, Applicants respectfully submit that claims 49-54 stand allowed. Explicit indication of the allowance of these claims is respectfully requested.

Favorable reconsideration and allowance of all claims under consideration is respectfully requested.

Claim Rejection

Claims 5 – 8, 10 – 25, 29 – 48 and 71 stand rejected under 35 U.S.C. 102(e) as being anticipated by Katzir et al. (U.S. 6,275,514).

Claim 5 recites in relevant part:

a scanner that scans the modulated pulsed light over the surface, said modulated pulsed light being delivered pulse by pulse to different spatially overlapping regions of the surface to build up a pixelized pattern.

Claim 29 recites in relevant part:

scanning the modulated pulsed light over the surface to deliver the modulated pulsed light pulse by pulse to different spatially overlapping regions of the surface to build up a pixelized pattern, thereby recording an image.

The Katzir reference (U.S. 6,275,514) describes a laser repetition rate multiplier for use in a scanner apparatus employing a pulsed light source. As noted by Applicants' representative at the interview held at the USPTO on November 16, 2005, the Katzir reference discloses, *inter*

alia, a scanner employing a pulsed light source for exposing a photoresist. Although a polygon mirror used to scan the light would rotate continuously, the use of a pulsed light implies that light is not scanned across the surface continuously but rather pulse by pulse. Nothing in the Katzir reference shows or suggests delivering modulated pulsed light pulse by pulse to different spatially overlapping regions of the surface to build up a pixelized pattern.

Enablement of a feature claimed in claims 5 and 29, namely delivery of pulsed light pulse by pulse to different spatially overlapping regions of the surface to build up a pixelized pattern may be found, *inter alia*, at Figs. 8A – 10G, 11A – 13G, 14A – 16G and the corresponding discussion beginning at paragraph 167 of the published specification.

The methodology of an embodiment described in the specification employs an acoustic wave propagating through a modulator to modulate the pulsed light. The acoustic wave is imaged onto a surface to be exposed by the pulsed light at intervals corresponding to pulse intervals, as the wave propagates through the modulator. The acoustic wave propagates in a direction opposite to scanning. The relative velocities of acoustic wave propagation and scanning are coordinated such that an edge of the wave is imaged to a generally fixed location on the surface to be exposed. Thus, as noted at paragraph 165 of the published specification, with respect to the embodiment described thereat, “multiple mutually partially overlapping images of laser pulses, spatially limited by an edge of the acoustic wave which is fixed in relation to an edge to be written on substrate 40, are thus projected onto substrate 40”.

The above discussion is intended to do no more than highlight how a described embodiment, nothing remotely similar to which is described in the Katzir (‘514) reference, achieves the claim. The Applicants have no intention of limiting the claimed invention solely to

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the described embodiment.

Claim 71 is canceled thus obviating rejection of this claim.

In view of the foregoing, the Examiner is respectfully requested to withdraw rejection of claims 5 and 29 and their respective dependent claims 6 – 8, 10 – 25, and 30 – 48.

Conclusion and Request for Interview

In view of the foregoing, this application is believed to be in order. Reconsideration and allowance of this application are respectfully solicited.

If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly invited to contact the undersigned attorney at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

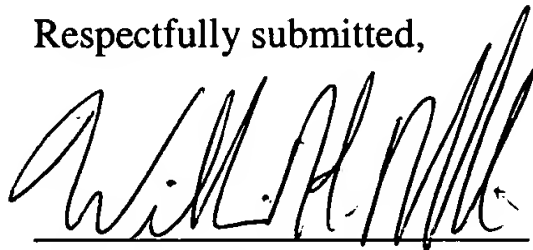
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